

Notice of Allowability

Application No.

09/723,019

Examiner

Inder P. Mehra

Applicant(s)

DAVIES ET AL.

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment dated 7/28/05 and 12/23/05.
2. ☒ The allowed claim(s) is/are 1-23.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 5/21/06.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


JOHN PEZZLO
PRIMARY EXAMINER

DETAILED ACTION

1. This office action is in reference to applicant's responses dated: 12/23/05 and 7/28/05. Based on this response, claims 1-23 are pending.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William M. Lee, Regd. No. 26,935 on 5/18/06.

Amendments to claims 1-23 have been made as follows:

Refer to claim 1 line 2. Limitation "first address" has been changed to "first IP address";

Refer to claim 1 line 5. Limitation "dynamic address" has been changed to "dynamic IP address";

Refer to claim 1 line 8. Limitation "dynamic address" has been changed to "dynamic IP address";

Refer to claim 1 line 8. "second address" has been changed to "second IP address";

Refer to claim 1 line 10. Limitation "first address" has been changed to "first IP address";

Refer to claim 1 line 11. "second address" has been changed to "second IP address".

Refer to claim 2 line 2. "second address" has been changed to "second IP address";

Refer to claim 2 line 4. "second address" has been changed to "second IP address";

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Refer to claim 2 line 5. "first address" has been changed to "first IP address".

Refer to claim 3 line 2. "second address" has been changed to "second IP address";

Refer to claim 3 line 3-4. "second address" has been changed to "second IP address";

Refer to claim 3 line 5. "first address" has been changed to "first IP address".

Refer to claim 4 line 2. "second address" has been changed to "second IP address";

Refer to claim 5 line 2. "first address" has been changed to "first IP address".

Refer to claim 5 line 3. "second address" has been changed to "second IP address";

Refer to claim 5 line 8. Limitation "dynamic address" has been changed to "dynamic IP address";

Refer to claim 5 line 9. Limitation "dynamic address" has been changed to "dynamic IP address";

Refer to claim 5 line 10. "second address" has been changed to "second IP address";

Refer to claim 5 line 10. "first address" has been changed to "first IP address".

Refer to claim 6 line 2. "first address" has been changed to "first IP address".

Refer to claim 6 line 5. Limitation "dynamic address" has been changed to "dynamic IP address";

Refer to claim 6 line 8. Limitation "dynamic address" has been changed to "dynamic IP address";

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Refer to claim 6 line 8. "second address" has been changed to "second IP address";

Refer to claim 6 line 10. "first address" has been changed to "first IP address".

Refer to claim 6 line 11. "second address" has been changed to "second IP address";

Refer to claim 7 line 2 "second address" has been changed to "second IP address";

Refer to claim 7 line 4. "second address" has been changed to "second IP address";

Refer to claim 7 line 5. "first address" has been changed to "first IP address".

Refer to claim 8 line 2 "second address" has been changed to "second IP address";

Refer to claim 8 line 4. "second address" has been changed to "second IP address";

Refer to claim 8 line 5. "first address" has been changed to "first IP address".

Refer to claim 9 line 2 "second address" has been changed to "second IP address";

Refer to claim 10 line 2. "first address" has been changed to "first IP address".

Refer to claim 10 line 3 "second address" has been changed to "second IP address";

Refer to claim 10 line 8. Limitation "dynamic address" has been changed to "dynamic IP address";

Refer to claim 10 line 10. Limitation "dynamic address" has been changed to "dynamic IP address";

Refer to claim 10 line 10 "second address" has been changed to "second IP address";

Refer to claim 10 line 11. "first address" has been changed to "first IP address".

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Refer to claim 10 line 13 “second address” has been changed to “second IP address”;

Refer to claim 11 line 2. “first address” has been changed to “first IP address”.

Refer to claim 11 line 5. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 11 line 8. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 11 line 8 “second address” has been changed to “second IP address”;

Refer to claim 11 line 10 “first address” has been changed to “first IP address”.

Refer to claim 11 line 11 “second address” has been changed to “second IP address”;

Refer to claim 12 line 2 “second address” has been changed to “second IP address”;

Refer to claim 12 line 4. “second address” has been changed to “second IP address”;

Refer to claim 12 line 5. “first address” has been changed to “first IP address”.

Refer to claim 13 line 2 “second address” has been changed to “second IP address”;

Refer to claim 13 line 4. “second address” has been changed to “second IP address”;

Refer to claim 13 line 5. “first address” has been changed to “first IP address”.

Refer to claim 14 line 2. “second address” has been changed to “second IP address”;

Refer to claim 15 line 2.. “first address” has been changed to “first IP address”.

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Refer to claim 15 line 3 . “second address” has been changed to “second IP address”;

Refer to claim 15 line 6 “second address” has been changed to “second IP address”;

Refer to claim 15 line 8. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 15 line 10. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 15 line 11 “first address” has been changed to “first IP address”.

Refer to claim 16 line 3.. “first address” has been changed to “first IP address”.

Refer to claim 16 line 7. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 16 line 9. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 16 line 10 . “second address” has been changed to “second IP address”;

Refer to claim 16 line 11 “first address” has been changed to “first IP address”.

Refer to claim 16 line 12 . “second address” has been changed to “second IP address”;

Refer to claim 17 line 2.. “first address” has been changed to “first IP address”.

Refer to claim 17 line 5-6. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 17 line 11. Limitation “dynamic address” has been changed to “dynamic IP address”;

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Refer to claim 17 line 12 . “second address” has been changed to “second IP address”;

Refer to claim 17 line 13 “first address” has been changed to “first IP address”.

Refer to claim 17 line 14 . “second address” has been changed to “second IP address”;

Refer to claim 18 line 3.. “first address” has been changed to “first IP address”.

Refer to claim 18 line 7. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 18 line 9. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 18 line 10 . “second address” has been changed to “second IP address”;

Refer to claim 18 line 11 “first address” has been changed to “first IP address”.

Refer to claim 18 line 12 . “second address” has been changed to “second IP address”;

Refer to claim 19 line 3.. “first address” has been changed to “first IP address”;

Refer to claim 19 line 4 . “second address” has been changed to “second IP address”;

Refer to claim 19 line 9. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 19 line 11. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 19 line 12 . “second address” has been changed to “second IP address”;

Refer to claim 20 line 2.. “first address” has been changed to “first IP address”;

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Refer to claim 20 line 3 . “second address” has been changed to “second IP address”;

Refer to claim 20 line 8. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 20 line 13. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 20 line 14 . “second address” has been changed to “second IP address”;

Refer to claim 20 line 14.. “first address” has been changed to “first IP address”;

Refer to claim 21 line 3.. “first address” has been changed to “first IP address”;

Refer to claim 21 line 4 . “second address” has been changed to “second IP address”;

Refer to claim 21 line 9. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 21 line 11. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 21 line 12 . “second address” has been changed to “second IP address”;

Refer to claim 21 line 12.. “first address” has been changed to “first IP address”;

Refer to claim 22 line 1. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 22 line 3. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 22 line 4 . “second address” has been changed to “second IP address”;

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Refer to claim 22 line 8 . “second address” has been changed to “second IP address”;

Refer to claim 23 line 1. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 23 line 3.. “first address” has been changed to “first IP address”;

Refer to claim 23 line 5 . “second address” has been changed to “second IP address”;

Refer to claim 23 line 10. Limitation “dynamic address” has been changed to “dynamic IP address”;

Refer to claim 23 line 10. Limitation “address update” has been changed to “IP address update”;

Refer to claim 23 line 11 . “second address” has been changed to “second IP address”;

Refer to claim 23 line 11.. “first address” has been changed to “first IP address”;

Allowable Subject Matter

3. Claims 1-23 are allowed.

REASONS FOR ALLOWANCE

4. The following is an examiner’s statement of reasons for allowance:

The prior art of record does not disclose, teach, or suggest directly or indirectly the following limitations along with other limitations:

As recited by claims 1, 6, ,

“wherein the communications protocol is arranged to use the dynamic IP address variation facility to support a use of a second IP address of the first node associated with a second path from said node to the communications network to identify the first node instead of

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the first IP address in response to a non-mobility related requirement to use the second IP address to identify the first node for communicating a packet between the first node and the second node”.

As recited by claims 5, 10, 23

“wherein the communications protocol is arranged to use the dynamic IP address variation facility to support a use of the second IP address instead of the first IP address to identify the first node for communicating a packet between the first node and the second node in response to a requirement of the first node to communicate with the second node via the second access network instead of the first access network”.

As recited by claims 11 and 16-18,

“using the dynamic IP address variation facility to support a use of a second IP address of the first node associated with a second path from said node to the communications network to identify the first node instead of the first IP address in response to a non-mobility related requirement to use the second IP address to identify the first node for communicating a packet between the first node and the second node”.

As recited by claims 15, 19-22

“using the dynamic IP address variation facility to support a use of the second IP address instead of the first IP address to identify the first node for communicating a packet between the first node and the second node in response to a requirement of the first node to communicate with the second node via the second access network instead of the first access network”.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

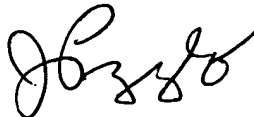
Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Inder P. Mehra whose telephone number is 571-272-3170. The examiner can normally be reached on Monday through Friday from 8AM to 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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